

Title (en)

POSITIVE ELECTRODE OF LITHIUM-AIR BATTERY HAVING SIDE REACTION PREVENTION FILM TO WHICH METAL CATALYST IS PARTIALLY INTRODUCED, LITHIUM-AIR BATTERY HAVING SAME, AND MANUFACTURING METHOD THEREFOR

Title (de)

POSITIVELEKTRODE EINER LITHIUM-LUFT-BATTERIE MIT NEBENREAKTIONSVERHINDERUNGSFILM MIT PARTIELL EINGEFÜGTEM METALLKATALYSATOR, LITHIUM-LUFT-BATTERIE DAMIT UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

ÉLECTRODE POSITIVE DE BATTERIE AU LITHIUM-AIR AYANT UN FILM DE PRÉVENTION DE RÉACTION SECONDAIRE SUR LEQUEL UN CATALYSEUR MÉTALLIQUE EST PARTIELLEMENT INTRODUIT, BATTERIE AU LITHIUM-AIR LA COMPRENANT ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

**EP 17741621 A 20170116**

Priority

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Abstract (en)

[origin: EP3316366A1] The present invention relates to a positive electrode of a lithium-air battery having a side reaction prevention layer with a partially introduced metal catalyst, and a method for preparing the same, and in particular, to a positive electrode of a lithium-air battery having a side reaction prevention layer with a metal catalyst sporadically partially introduced to a surface thereof, and a method for preparing the same. The lithium-air battery according to the present invention suppresses a side reaction at an interface between a positive electrode active material and an electrolyte thereby effectively reduces an overvoltage when charged, and therefore, does not cause liquid electrolyte decomposition, which is effective in enhancing a cycle life.

IPC 8 full level

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Cited by

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